

# Forms of Energy and Conversions

I. Energy - \_\_\_\_\_

A. Work - \_\_\_\_\_

## II. Types of Energy

### A. Potential Energy

1. Definition - \_\_\_\_\_

\_\_\_\_\_

a. Has the “potential” to do work

b. Examples: \_\_\_\_\_

\_\_\_\_\_

### B. Kinetic Energy

1. Definition - \_\_\_\_\_

\_\_\_\_\_

2. Examples - \_\_\_\_\_

\_\_\_\_\_

### C. Mechanical Energy

1. Energy resulting from the movement or release of a machine component

2. Can be \_\_\_\_\_ energy or \_\_\_\_\_ energy

3. Examples - \_\_\_\_\_

\_\_\_\_\_

## III. Energy Conversions

### A. Objects can have both potential and kinetic energy

a. Example – roller coaster

\*Identify whether potential and/or kinetic energy exist at each letter in the drawing

